



PTO/SB/08 (07/05)

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<b>Substitute for form 1449/PTO</b>  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>(Use as many sheets as necessary)</i>				<b>Complete if Known</b>	
				Application Number	10/718,248
				Filing Date	November 20, 2003
				First Named Inventor	Daniel DiLorenzo
				Art Unit	3762
				Examiner Name	Scott M. Getzow
Sheet	1	Of	40	Attorney Docket Number	31685-704.502

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number Number-Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
SS	1.	US 2001/0051819 A1	12-13-2001	Fischell, et. al.	
	2.	US 2001/0056290 A1	12-27-2001	Fischell, et. al.	
	3.	US 2002/0002390 A1	01-03-2002	Fischell, et. al.	
	4.	US 2002/0054694 A1	05-09-2002	Vachtsevanos et al.	
	5.	US 2002/0072770 A1	06-13-2002	Pless	
	6.	US 2002/0072776 A1	06-13-2002	Osorio et al.	
	7.	US 2002/0072782 A1	06-13-2002	Osorio et al.	
	8.	US 2002/0077670 A1	06-20-2002	Archer et al.	
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	10.	US 2002/0099412 A1	07-25-2002	Fischell et al.	
	11.	US 2002/0103512 A1	08-01-2002	Echaz et al.	
	12.	US 2002/0111542 A1	08-15-2002	Warkentin et al.	
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	14.	US 2002/0169485 A1	11-14-2002	Pless et al.	
	15.	US 2002/0177882 A1	11-28-2002	DiLorenzo	
	16.	US 2002/0188330 A1	12-12-2002	Gielen et al.	
	17.	US 2003/0004428 A1	01-02-2003	Pless	
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	22.	US 2003/0073917 A1	04-17-2003	Echaz et al.	
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	24.	US 2003/0083716 A1	05-01-2003	Nicolelis et al.	

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Attorney Docket No. 31685-704.502

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SG	25.	US 2003/0114886 A1	06-19-2003	Gluckman et al.	
	26.	US 2003/0144709 A1	07-31-2003	Zabara et al.	
	27.	US 2003/0144711 A1	07-31-2003	Pless et al.	
	28.	US 2003/0149457 A1	08-07-2003	Tcheng et al.	
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	30.	US 2003/0176806 A1	09-18-2003	Pineda et al.	
	31.	US 2003/0181955 A1	09-25-2003	Gielen	
	32.	US 2003/0187621 A1	10-02-2003	Nikitin et al.	
	33.	US 2003/0195574 A1	10-16-2003	Osorio et al.	
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	39.	US 2004/0059761 A1	03-25-2004	Hively	
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✓	48.	US 2004/0122335	06-24-2004	Sackellares et al.	

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	50.	US 2004/0133119 A1	07-08-2004	Osorio et al.	
	51.	US 2004/0133248 A1	07-08-2004	Frei et al.	
	52.	US 2004/0133390 A1	07-08-2004	Osorio et al.	
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	64.	US 2004/0158119 A1	08-12-2004	Osorio et al.	
	65.	US 2004/0172089 A1	09-02-2004	Whitehurst et al.	
	66.	US 2004/0199212 A1	10-07-2004	Fischell	
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	68.	US 2005/0004621 A1	01-06-2005	Boveja et al.	
	69.	US 2005/0010261 A1	01-13-2005	Luders et al.	
	70.	US 2005/0015129 A1	01-20-2005	Mische	
	71.	US 2005/0021104	01-27-2005	DiLorenzo	
	72.	US 2005/0021105 A1	01-27-2005	Firlik et al.	

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	74.	US 2005/0027328 A1	02-03-2005	Greenstein	
	75.	US 2005/0033369 A1	02-10-2005	Badelt	
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	78.	US 2005/0070970 A1	03-31-2005	Knudson et al.	
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	81.	US 2005/0113885 A1	05-26-2005	Haubrich et al.	
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	84.	US 2005/0137640 A1	06-23-2005	Freeberg et al.	
	85.	US 2005/0143786 A1	06-30-2005	Boveja	
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	87.	US 2005/0149123 A1	07-07-2005	Lesser et al.	
	88.	US 2005/0182308 A1	08-18-2005	Bardy	
	89.	US 2005/0187789 A1	08-25-2005	Hallestad	
	90.	US 2005/0197590 A1	09-08-2005	Osorio et al.	
	91.	US 2005/0222503 A1	10-06-2005	Dunlop et al.	
	92.	US 2005/0222626	10-06-2005	DiLorenzo	
	93.	US 2005/0222641 A1	10-06-2005	Pless	
	94.	US 2005/0228249 A1	10-13-2005	Boling	
	95.	US 2005/0228461 A1	10-13-2005	Osorio et al.	
	96.	US 2005/0231374 A1	10-20-2005	Diem et al.	

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SB	97.	US 2005/0234355 A1	10-20-2005	Rowlandson	
	98.	US 2005/0240242	10-27-2005	DiLorenzo	
	99.	US 2005/0240245 A1	10-27-2005	Bange et al.	
	100.	US 2005/0245970 A1	11-03-2005	Erickson et al.	
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V	117.	US 4,305,402	12-15-1981	Katims	
	118.	US 4,334,545	06-15-1982	Shiga	
	119.	US 4,407,299	10-04-1973	Culver	
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SG	121.	US 4,421,122	12-20-1983	Duffy	
	122.	US 4,471,786	09-18-1984	Inagaki	
	123.	US 4,494,950	01-22-1985	Fischell	
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	126.	US 4,566,464	01-28-1986	Piccone et al.	
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				Application Number	10/718,248
				Filing Date	November 20, 2003
				First Named Inventor	Daniel DiLorenzo
				Art Unit	3762
				Examiner Name	Scott M. Getzow
Sheet	7	Of	40	Attorney Docket Number	31685-704.502

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number Number-Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
SG	145.	US 4,978,680	12-18-1990	Sofia	
	146.	US 4,979,511	12-25-1990	Terry	
	147.	US 5,010,891	04-30-1991	Chamoun	
	148.	US 5,016,635	12-10-1991	Graupe	
	149.	US 5,025,807	06-25-1991	Zabara	
	150.	US 5,031,618	07-16-1991	Mullett	
	151.	US 5,070,873	12-10-1991	Graupe et al.	
	152.	US 5,082,861	01-21-1992	Sofia	
	153.	US 5,097,835	03-24-1992	Putz	
	154.	US 5,154,172	10-13-1992	Terry	
	155.	US 5,167,229	12-01-1992	Peckham et al.	
	156.	US 5,179,950	01-19-1993	Stanislaw	
	157.	US 5,181,520	01-26-1993	Wertheim et al.	
	158.	US 5,186,170	02-16-1993	Varichio	
	159.	US 5,188,104	02-23-1993	Wernicke	
	160.	US 5,190,029	03-02-1993	Byron et al.	
	161.	US 5,205,285	04-27-1993	Baker, Jr.	
✓	162.	US 5,215,086	06-01-1993	Terry, Jr. et al.	
	163.	US 5,215,088	06-01-1993	Normann	
	164.	US 5,215,089	06-01-1993	Baker, Jr.	
	165.	US 5,222,494	06-29-1993	Baker, Jr.	
	166.	US 5,222,503	06-29-1993	Ives	
	167.	US 5,231,988	08-03-1993	Wernicke et al.	
	168.	US 5,235,980	08-17-1993	Varichio et al.	

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				Art Unit	3762
				Examiner Name	Scott M. Getzow
Sheet	8	Of	40	Attorney Docket Number	31685-704.502

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SG	169.	US 5,237,991	08-24-1993	Baker, Jr.	
	170.	US 5,251,634	10-12-1993	Weinberg	
	171.	US 5,263,480	11-23-1992	Wernicke et al.	
	172.	US 5,265,619	11-30-1993	Comby et al.	
	173.	US 5,269,302	12-14-1993	Swartz et al.	
	174.	US 5,269,303	12-14-1993	Wernicke et al.	
	175.	US 5,292,772	03-08-1994	Sofia	
	176.	US 5,293,879	03-15-1994	Vonk	
	177.	US 5,299,569	04-05-1994	Wernicke et al.	
	178.	US 5,300,094	04-05-1994	Kallok et al.	
	179.	US 5,304,206	04-19-1994	Baker, Jr. et al.	
	180.	US 5,311,876	05-17-1994	Olsen et al.	
	181.	US 5,314,458	05-24-1994	Najafi et al.	
	182.	US 5,330,515	07-19-1994	Rutecki et al.	
	183.	US 5,335,657	08-09-1994	Terry et al.	
	184.	US 5,342,408	08-30-1994	deColriolis et al.	
	185.	US 5,342,409	08-30-1994	Mullett	
	186.	US 5,343,064	08-30-1994	Spangler et al.	
	187.	US 5,349,962	09-27-1994	Lockard et al.	
	188.	US 5,351,394	10-04-1994	Weinberg	
	189.	US 5,361,760	11-08-1994	Normann	
	190.	US 5,365,939	11-22-1994	Ochs	
	191.	US 5,376,359	12-27-1994	Johnson	
	192.	US 5,392,788	02-28-1995	Hudspeth	

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				First Named Inventor	Daniel DiLorenzo
				Art Unit	3762
				Examiner Name	Scott M. Getzow
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SG	193.	US 5,405,365	04-11-1995	Hoegnelid et al.	
	194.	US 5,411,540	05-02-1995	Edell et al.	
	195.	US 5,458,117	10-17-1995	Chamoun	
	196.	US 5,474,547	12-12-1995	Aebischer et al.	
	197.	US 5,476,494	12-19-1995	Edell et al.	
	198.	US 5,486,999	01-23-1996	Mebane	
	199.	US 5,513,649	05-07-1996	Gevins	
	200.	US 5,531,778	07-02-1996	Maschino et al.	
	201.	US 5,540,730	07-30-1994	Terry	
	202.	US 5,540,734	07-30-1996	Zabara	
	203.	US 5,549,656	08-27-1996	Reiss	
	204.	US 5,555,191	09-10-1996	Hripsak	
	205.	US 5,571,150	11-05-1996	Wernicke	
	206.	US 5,575,813	11-19-1996	Edell et al.	
	207.	US 5,611,350	03-18-1997	John	
	208.	US 5,626,145	05-06-1997	Clapp et al.	
	209.	US 5,626,627	05-06-1997	Krystal et al.	
	210.	US 5,638,826	06-17-1997	Wolpaw	
	211.	US 5,649,068	07-15-1997	Boser et al.	
	212.	US 5,683,422	11-04-1997	Rise	
	213.	US 5,690,681	11-25-1997	Geddes et al.	
	214.	US 5,697,369	12-16-1997	Long	
	215.	US 5,700,282	12-23-1997	Zabara	
✓	216.	US 5,707,400	01-13-1998	Terry et al.	

Examiner Signature	S. B.	Date Considered	8/15/06
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SG	217.	US 5,711,316	01-27-1998	Elsberry et al.	
	218.	US 5,713,923	02-03-1998	Ward et al.	
	219.	US 5,715,821	02-10-1998	Faupel	
	220.	US 5,716,377	02-10-1998	Rise et al.	
	221.	US 5,720,294	02-24-1998	Skinner	
	222.	US 5,735,814	04-07-1998	Elsberry et al.	
	223.	US 5,743,860	04-28-1998	Hively et al.	
	224.	US 5,752,979	05-19-1998	Benabid	
	225.	US 5,769,778	06-23-1998	Abrams et al.	
	226.	US 5,776,434	07-07-1998	Purewal et al.	
	227.	US 5,782,798	07-21-1998	Rise	
	228.	US 5,782,874	07-21-1998	Loos	
	229.	US 5,792,186	11-11-1998	Rise	
	230.	US 5,800,474	09-01-1998	Bernabid et al.	
	231.	US 5,813,993	09-29-1998	Kaplan	
	232.	US 5,814,014	09-29-1998	Elsberry et al.	
	233.	US 5,815,413	09-29-1998	Hively et al.	
	234.	US 5,816,247	10-06-1998	Maynard	
	235.	US 5,824,021	10-20-1998	Rise	
	236.	US 5,832,932	11-10-1998	Elsberry et al.	
	237.	US 5,833,709 B1	11-10-1998	Rise et al.	
	238.	US 5,857,978	01-12-1999	Hively et al.	
	239.	US 5,899,922	05-04-1999	Loos	
	240.	US 5,916,239	06-29-1999	Geddes et al.	

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SG	241.	US 5,917,429	06-29-1999	Otis Jr. et al.	
	242.	US 5,928,272	07-27-1999	Adkins	
	243.	US 5,938,689	08-17-1999	Fischell et al.	
	244.	US 5,941,106	08-24-1999	Barreras et al.	
	245.	US 5,950,632	09-14-1999	Reber et al.	
	246.	US 5,971,594	10-26-1999	Sahai et al.	
	247.	US 5,975,085	11-02-1999	Rise	
	248.	US 5,978,702	11-02-1999	Ward et al.	
	249.	US 5,995,868	11-30-1999	Dorfmeister et al.	
	250.	US 6,006,124	12-21-1999	Fischell et al.	
	251.	US 6,018,682	01-25-2000	Rise	
	252.	US 6,042,548	03-28-2000	Giuffre	
	253.	US 6,042,579	03-28-2000	Elsberry et al.	
	254.	US 6,061,593	05-09-2000	Fischell et al.	
	255.	US 6,066,163	05-23-2000	John	
	256.	US 6,081,744	06-27-2000	Loos	
	257.	US 6,104,956	08-20-2000	Naritoku	
	258.	US 6,109,269	08-29-2000	Rise et al.	
	259.	US 6,117,066	09-12-2000	Abrams et al.	
	260.	US 6,128,537	10-03-2000	Rise et al.	
	261.	US 6,128,538	10-03-2000	Fischell et al.	
	262.	US 6,134,474	10-17-2000	Fischell et al.	
	263.	US 6,161,045	12-12-2000	Fischell et al.	
	264.	US 6,167,304	12-26-2000	Loos	

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SG	265.	US 6,171,239	01-09-2001	Humphrey	
	266.	US 6,176,242 B1	01-23-2001	Rise	
	267.	US 6,205,359	05-20-2001	Boveja	
	268.	US 6,221,011	04-24-2001	Bardy	
	269.	US 6,227,203 B1	05-08-2001	Rise et al.	
	270.	US 6,230,049	05-08-2001	Fischell et al.	
	271.	US 6,248,126	06-19-2001	Lesser et al.	
	272.	US 6,249,703	06-19-2001	Stanton	
	273.	US 6,263,237 B1	07-17-2001	Rise	
	274.	US 6,304,775	10-16-2001	Iasemidis et al.	
	275.	US 6,309,406	10-30-2001	Jones et al.	
	276.	US 6,328,699	12-11-2001	Eigler	
	277.	US 6,337,997 B1	01-08-2002	Rise	
	278.	US 6,339,725	01-15-2002	Naritoku	
	279.	US 6,341,236	01-22-2002	Osorio et al.	
	280.	US 6,343,226	01-29-2002	Sunde et al.	
	281.	US 6,353,754 B1	03-05-2002	Fischell et al.	
	282.	US 6,354,299	03-12-2002	Fischell et al.	
	283.	US 6,356,784 B1	12-12-2002	Lozano et al.	
	284.	US 6,356,788	03-12-2002	Boveja	
	285.	US 6,358,203	03-19-2002	Bardy	
	286.	US 6,360,122	03-19-2002	Fischell	
	287.	US 6,366,813	04-02-2002	DiLorenzo	
	288.	US 6,366,814	04-02-2002	Boveja	

Examiner Signature	S-G.	Date Considered	8/15/06
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				Filing Date	November 20, 2003
				First Named Inventor	Daniel DiLorenzo
				Art Unit	3762
				Examiner Name	Scott M. Getzow
Sheet	13	Of	40	Attorney Docket Number	31685-704.502

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number Number-Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
SG	289.	US 6,374,140	04-16-2002	Rise	
	290.	US 6,386,882	05-14-2002	Linberg	
	291.	US 6,402,678 B1	06-11-2002	Fischell et al.	
	292.	US 6,427,086 B1	11-30-2002	Fischell et al.	
	293.	US 6,434,419	08-13-2002	Gevens et al.	
	294.	US 6,442,421	08-27-2002	Quyen et al.	
	295.	US 6,443,891	09-03-2002	Grevious	
	296.	US 6,453,198	09-17-2002	Torgerson	
	297.	US 6,459,936 B2	10-01-2002	Fischell	
	298.	US 6,463,328	10-08-2002	John	
	299.	US 6,466,822	10-15-2002	Pless	
	300.	US 6,471,645	10-29-2002	Warkentin et al.	
	301.	US 6,473,639 B1	10-29-2002	Fischell et al.	
	302.	US 6,473,644	10-29-2002	Terry et al.	
	303.	US 6,480,743	11-12-2002	Kirkpatrick	
	304.	US 6,484,132	11-19-2002	Hively et al.	
	305.	US 6,488,617	12-03-2002	Katz	
	306.	US 6,496,724	12-17-2002	Levendowski et al.	
	307.	US 6,507,754	01-14-2003	Quyen et al.	
	308.	US 6,510,340	01-21-2003	Jordan	
	309.	US 6,511,424	01-28-2003	Moore-Ede	
	310.	US 6,529,774	03-04-2003	Greene	
	311.	US 6,534,693	03-18-2003	Fischell et al.	
✓	312.	US 6,547,746	05-15-2003	Marino	

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				Art Unit	3762
				Examiner Name	Scott M. Getzow
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S.G.	313.	US 6,549,804	04-15-2003	Osorio et al.	
	314.	US 6,553,262	04-22-2003	Lang et al.	
	315.	US 6,560,486	05-06-2003	Osorio et al.	
	316.	US 6,571,123	05-27-2003	Ives et al.	
	317.	US 6,571,125	05-27-2003	Thompson	
	318.	US 6,572,528	06-03-2003	Rohan et al.	
	319.	US 6,587,719	07-01-2003	Barrett et al.	
	320.	US 6,587,727	07-01-2003	Osorio et al.	
	321.	US 6,591,132	07-08-2003	Gotman et al.	
	322.	US 6,591,137	07-08-2003	Fischell et al.	
	323.	US 6,591,138	07-08-2003	Fischell et al.	
	324.	US 6,594,524	07-15-2003	Esteller et al.	
	325.	US 6,597,953	07-22-2003	Boling	
	326.	US 6,597,954	07-22-2003	Pless et al.	
	327.	US 6,600,956	07-29-2003	Maschino	
	328.	US 6,606,521	08-12-2003	Paspa et al.	
	329.	US 6,609,025	08-19-2003	Barrett et al.	
	330.	US 6,618,623	09-09-2003	Pless et al.	
	331.	US 6,620,415	09-16-2003	Donovan	
	332.	US 6,622,036	09-16-2003	Suffin	
	333.	US 6,622,038	09-16-2003	Barrett et al.	
	334.	US 6,622,041	09-16-2003	Terry et al.	
	335.	US 6,622,047	09-16-2003	Barrett et al.	
	336.	US 6,647,296	11-11-2003	Fischell et al.	

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SG	337.	US 6,650,779	11-18-2003	Vachtesvanos et al.	
	338.	US 6,658,287	12-02-2003	Litt et al.	
	339.	US 6,662,035	12-09-2003	Sochor	
	340.	US 6,665,562	12-16-2003	Gluckman et al.	
	341.	US 6,668,191	12-23-2003	Boveja	
	342.	US 6,671,555	12-30-2003	Gielen	
	343.	US 6,671,556	12-30-2003	Osorio	
	344.	US 6,678,548	01-13-2004	Echaz et al.	
	345.	US 6,684,105	01-27-2004	Cohen et al.	
	346.	US 6,687,538	02-03-2004	Hrdlicka et al.	
	347.	US 6,690,974	02-10-2004	Archer et al.	
	348.	US 6,721,603	07-31-2003	Zabara	
	349.	US 6,735,467	05-11-2004	Wilson	
	350.	US 6,760,626	07-06-2004	Boveja	
	351.	US 6,768,969	07-27-2004	Nikitin et al.	
	352.	US 6,778,854	08-17-2004	Puskas	
	353.	US 6,782,292	08-24-2004	Whitehurst	
	354.	US 6,788,975	09-27-2004	Whitehurst	
	355.	US 6,793,670	09-21-2004	Osorio	
	356.	US 6,810,285	10-26-2004	Pless et al.	
	357.	US 6,819,956	11-16-2004	DiLorenzo	
	358.	US 6,824,512	11-30-2004	Warkentin et al.	
	359.	US 6,873,872	03-29-2005	Gluckman et al.	
	360.	US 6,879,859	04-12-2005	Boveja	

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SB	361.	US 6,901,292	08-24-2005	Whitehurst	
	362.	US 6,904,390	06-07-2005	Nikitin et al.	
	363.	US 6,912,419	06-28-2005	Hill	
	364.	US 6,920,357	07-19-2005	Osorio	
	365.	US 6,921,538	07-16-2005	Donovan	
	366.	US 6,921,541	07-26-2005	Chasin et al.	
	367.	US 6,923,784	08-02-2005	Stein	
	368.	US 6,931,274	08-16-2005	Williams	
	369.	US 6,934,580	08-23-2005	Osorio	
	370.	US 6,937,891	08-30-2005	Leinders et al	
	371.	US 6,944,501	09-13-2005	Pless	
	372.	US 6,950,706	09-27-2005	Rodriguez	
	373.	US 6,961,618	11-01-2005	Osorio	
	374.	US 6,973,342	12-06-2005	Swanson	
	375.	US RE 034015	08-04-1992	Duffy	

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SC	376.	CA 2251852 (Abstract)	04-27-1999	NeuroPace, Inc.		
	377.	CA 2423840 (Abstract)	02-07-2002	NeuroPace, Inc.		
	378.	CA 2425004 (Abstract)	08-01-2002	UPenn		
	379.	CA 2425122 (Abstract)	06-27-2002	UPenn		
	380.	CA 2428116 (Abstract)	05-10-2002	NeuroPace, Inc.		
	381.	CA 2428383 (Abstract)	05-16-2002	NeuroPace, Inc.		

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SS	382.	CA 2456443 (Abstract)	01-09-2003	NeuroPace, Inc.		
	383.	CA 2491987 (Abstract)	01-22-2004	UT-Battelle, LLC		
	384.	DE 69832022D (Abstract)	12-01-2005	NeuroPace, Inc.		
	385.	EP 0124663A1	11-14-1984	General Foods Corp.		
	386.	EP 0898460 (Abstract)	03-03-1999	University of Kansas		
	387.	EP 0911061B1	10-26-2005	Fischell, Robert E.		
	388.	EP 1017313 (Abstract)	07-12-2000	Lockheed Martin Energy Research Corporation		
	389.	EP 1107693 (Abstract)	06-20-2001	Emory University		
	390.	EP 1145735A2	10-17-2001	Neuropace, Inc.		
	391.	EP 1145736A2	10-17-2001	Neuropace, Inc.		
	392.	EP 1292900 (Abstract)	03-19-2003	Flint Hills Scientific, L.L.C.		
	393.	EP 1307260 (Abstract)	05-07-2003	Neuropace, Inc.		
	394.	EP 1331967 (Abstract)	08-06-2003	Neuropace, Inc.		
	395.	EP 1333753 (Abstract)	09-01-2004	UPenn		
	396.	EP 1335668 (Abstract)	08-20-2003	Neuropace, Inc.		
	397.	EP 1341580 (Abstract)	09-10-2003	UPenn		
	398.	EP 1404216 (Abstract)	04-07-2004	Neuropace, Inc.		
	399.	EP 1525551 (Abstract)	04-27-2005	UT-Battelle, LLC		
	400.	EP 1558121 (Abstract)	08-03-2005	Medtronic Inc.		
	401.	EP 1558128 (Abstract)	08-03-2005	Medtronic Inc.		
	402.	EP 1558130 (Abstract)	08-03-2005	Medtronic Inc.		
	403.	EP 1558131 (Abstract)	08-03-2005	Medtronic Inc.		
✓	404.	EP 1558132 (Abstract)	08-03-2005	Medtronic Inc.		

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SG	405.	EP 1558330 (Abstract)	08-03-2005	Medtronic Inc.		
	406.	EP 1558334 (Abstract)	08-03-2005	Medtronic Inc.		
	407.	EP 1562674 (Abstract)	08-17-2005	Medtronic Inc.		
	408.	EP 1609414A2	12-28-2005	UPenn		
	409.	JP 24033673A2 (English Abstract)	02-05-2004	UPenn		
	410.	SU 1074484 (in Russian with English abstract)	02-23-1984	Rachkov et al.		
	411.	WO 85/01213A1	03-28-1985	Zabara, Jacob		
	412.	WO 92/00119A1 (in French with English Abstract)	01-09-1992	Verhoeven, Jean-Marie		
	413.	WO 97/26823A1	07-31-1997	University of Kansas		
	414.	WO 97/34522A1	09-25-1997	Lockheed Martin Energy Systems		
	415.	WO 97/34524A1	09-25-1997	Lockheed Martin Energy Systems		
	416.	WO 97/34525A1	09-25-1997	Lockheed Martin Energy Systems		
	417.	WO 97/39797A1	10-30-1997	Medtronic Inc.		
	418.	WO 97/42990A1	11-20-1997	Medtronic Inc.		
	419.	WO 97/45160A1	12-04-1997	Southern Illinois University		
	420.	WO 98/49935A1	11-12-1998	Lockheed Martin Energy Systems		
	421.	WO 99/56821A1	11-11-1999	Medtronic Inc.		
	422.	WO 99/56822A1	11-11-1999	Cyberonics, Inc.		
V	423.	WO 99/20342A1	04-29-1999	Cornell Research Foundation Inc.		

Examiner Signature	S-G.	Date Considered	8/15/06
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				Application Number	10/718,248
				Filing Date	November 20, 2003
				First Named Inventor	Daniel DiLorenzo
				Art Unit	3762
				Examiner Name	Scott M. Getzow
Sheet	19	Of	40	Attorney Docket Number	31685-704.502

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document Country Code <sup>2</sup> - Number <sup>3</sup> - Kind Code <sup>4</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
SG	424.	WO 00/07494A2	02-17-2000	Dilorenzo		
	425.	WO 00/10455 (Corrected Version)	03-02-2000	Emory University		
	426.	WO 01/41867A1	06-14-2001	Gluckman et al.		
	427.	WO 01/48676A1	07-05-2001	Medtronic, Inc.		
	428.	WO 01/49364A2	07-12-2001	Medtronic Inc.		
	429.	WO 01/67288A2	09-13-2001	UT-Battelle, LLC		
	430.	WO 01/75660A1	10-11-2001	Flint Hills Scientific, LLC		
	431.	WO 02/058536A2	08-01-2002	The Trustees of the University of Pennsylvania		
	432.	WO 02/09610 A1	02-07-2002	EPICOR, INC. et al.		
	433.	WO 02/09811A1	02-07-2002	NeuroPace, Inc.		
	434.	WO 02/36003A1	05-10-2002	NeuroPace, Inc.		
	435.	WO 02/38031A2	05-16-2002	NeuroPace, Inc.		
	436.	WO 02/38217A2	05-16-2002	NeuroPace, Inc.		
	437.	WO 02/49500A2	06-27-2002	The Trustees of the University of Pennsylvania		
	438.	WO 03/001996A2	01-09-2003	NeuroPace, Inc.		
	439.	WO 03/030734A2	04-17-2003	NeuroPace, Inc.		
	440.	WO 03/035165A1	05-01-2003	Duke University		
	441.	WO 03/084605A1 (in German with English Abstract)	10-16-2003	Holzner, Oliver		
	442.	WO 04/008373A2	01-22-2004	UT-Battelle, LLC		
✓	443.	WO 04/032720A2	04-22-2004	Flint Hills Scientific,		

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SC				<del>LLC</del>		
	444.	WO 04/034231A2	04-22-2004	Flint Hills Scientific, LLC		
	445.	WO 04/034879A2	04-29-2004	Medtronic Inc.		
	446.	WO 04/034880A2	04-29-2004	Medtronic Inc.		
	447.	WO 04/034881A2	04-29-2004	Medtronic Inc.		
	448.	WO 04/034882A2	04-29-2004	Medtronic Inc.		
	449.	WO 04/034883A2	04-29-2004	Medtronic Inc.		
	450.	WO 04/034885A2	04-29-2004	Medtronic Inc.		
	451.	WO 04/034982A2	04-29-2004	Medtronic Inc.		
	452.	WO 04/034997A2	04-29-2004	Medtronic Inc.		
	453.	WO 04/034998A2	04-29-2004	Medtronic Inc.		
	454.	WO 04/035130A2 (in French with English Abstract)	04-29-2004	Centre National De La Recherche Scientifique		
	455.	WO 04/036370A2	04-29-2004	Medtronic Inc.		
	456.	WO 04/036372A2	04-29-2004	Medtronic Inc.		
	457.	WO 04/036376A2	04-29-2004	Medtronic Inc.		
	458.	WO 04/036377A2	04-29-2004	Medtronic Inc.		
	459.	WO 04/037342A2	05-06-2004	The Cleveland Clinic Foundation		
	460.	WO 04/043536A1	05-27-2004	NeuroPace, Inc.		
	461.	WO 04/091718A1	10-28-2004	The Cleveland Clinic Foundation		
	462.	WO 05/007236A2	01-27-2005	Advanced Neuromodulation Systems, Inc.		
	463.	WO 05/028026A1	03-31-2005	Medtronic Inc.		

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SG	464.	WO 05/028028A1	03-31-2005	Medtronic Inc.		
	465.	WO 05/031630A2	04-07-2005	UT-Battelle, LLC		
	466.	WO 05/051167A1	06-09-2005	Cyberkinetics, Inc.		
	467.	WO 05/051306A2	06-09-2005	Dilorenzo		
	468.	WO 05/117693A1	12-15-2005	Children's Medical Center Corporation		
	469.	WO 06/0014971A2	02-09-2006	Armstrong et al.		
	470.	WO 06/0014972A2	02-09-2006	Armstrong et al.		

Examiner Signature	5.6.	Date Considered	8/15/06
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Attorney Docket No. 31685-704.502

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SG	471.	ADJOUADI, et al. A new mathematical approach based on orthogonal operators for the detection of interictal spikes in epileptogenic data. <i>Biomed. Sci. Instrum.</i> 2004; 40: 175-80.	
	472.	ADJOUADI, et al. Detection of interictal spikes and artifactual data through orthogonal transformations. <i>J. Clin. Neurophysiol.</i> 2005; 22(1):53-64.	
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	474.	AKSENOVA, et al. Nonparametric on-line detection of changes in signal spectral characteristics for early prediction of epilepsy seizure onset. <i>J. Automation and Information Sciences.</i> 2004; 36(8): 35-45.	
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	476.	ANDRZEJAK, et al. Bivariate surrogate techniques: necessity, strengths, and caveats. <i>Physical Review E.</i> 2003; 68: 066202-1-066202-15.	
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	479.	BANGHAM et al. Diffusion of univalent ions across the lamellae of swollen phospholipids. 1965. <i>J. Mol. Biol.</i> 13: 238-252.	
V	480.	BARUCHI, et al. Functional holography of complex networks activity - From cultures to the human brain. <i>Complexity.</i> 2005; 10(3): 38 - 51.	

Examiner Signature	SG	Date Considered	8/15/06
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				Examiner Name	Scott M. Getzow
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SC	481.	BARUCHI, et al. Functional holography of recorded neuronal networks activity. Neuroinformatics. 2004; 2(3): 333-51.	
	482.	BEN-HUR, et al. Detecting stable clusters using principal component analysis. Methods Mol. Biol. 2003; 224: 159-82.	
	483.	BERGEY, et al. Epileptic seizures are characterized by changing signal complexity. Clin. Neurophysiol. 2001; 112(2): 241-9.	
	484.	BETTERTON, et al. Determining State of Consciousness from the Intracranial Electroencephalogram (IEEG) for Seizure Prediction. From Proceeding (377) Modelling, Identification, and Control. 2003; 377-201: 313-317.	
	485.	BHATTACHARYA, et al. Enhanced phase synchrony in the electroencephalograph gamma band for musicians while listening to music. Phys. Rev. E. 2001; 64:012902-1-4.	
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↓	490.	CASDAGLI, et al. Characterizing nonlinearity in invasive EEG recordings from temporal lobe epilepsy. PHYSICA D. 1996; 99 (2/3): 381-399.	

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SG	491.	CASDAGLI, et al. Nonlinear Analysis of Mesial Temporal Lobe Seizures Using a Surrogate Data Technique. Epilepsia. 1995; 36, suppl. 4, pp. 142.	
	492.	CASDAGLI, et al. Non-linearity in invasive EEG recordings from patients with temporal lobe epilepsy. Electroencephalogr. Clin. Neurophysiol. 1997; 102(2): 98-105.	
	493.	CERF, et al. Criticality and synchrony of fluctuations in rhythmical brain activity: pretransitional effects in epileptic patients. Biol. Cybern. 2004; 90(4): 239-55.	
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	498.	D'ALESSANDRO, et al. Epileptic seizure prediction using hybrid feature selection over multiple intracranial EEG electrode contacts: a report of four patients. IEEE Trans. Biomed. Eng. 2003; 50(5): 603-15.	
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	500.	DRURY, et al. Seizure prediction using scalp electroencephalogram. Exp. Neurol. 2003; 184 Suppl 1: S9-18.	
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				Filing Date	November 20, 2003
				First Named Inventor	Daniel DiLorenzo
				Art Unit	3762
				Examiner Name	Scott M. Getzow
Sheet	25	Of	40	Attorney Docket Number	31685-704.502

NON PATENT LITERATURE DOCUMENTS			
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SG		Accessed February 28, 2006.	
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				Filing Date	November 20, 2003
				First Named Inventor	Daniel DiLorenzo
				Art Unit	3762
				Examiner Name	Scott M. Getzow
Sheet	31	Of	40	Attorney Docket Number	31685-704.502

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>6</sup>
	565.	KREUZ, et al. Measure profile surrogates: a method to validate the performance of epileptic seizure prediction algorithms. Phys. Rev. E. 2004; 69(6 Pt 1):061915-1-9.	
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S.G.	608.	PITTMAN, V. Flexible Drug Dosing Produces Less Side-effects In People With Epilepsy. December 29, 2005. Available at <a href="http://www.medicalnewstoday.com/medicalnews.php?newsid=35478">http://www.medicalnewstoday.com/medicalnews.php?newsid=35478</a> . Accessed on April 17, 2006.	
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Substitute for form 1449/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>(Use as many sheets as necessary)</i>				<b>Complete if Known</b>	
				Application Number	10/718,248
				Filing Date	November 20, 2003
				First Named Inventor	Daniel DiLorenzo
				Art Unit	3762
				Examiner Name	Scott M. Getzow
Sheet	37	Of	40	Attorney Docket Number	31685-704.502

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>6</sup>
SC	629.	STABA, et al. Quantitative analysis of high-frequency oscillations (80-500 Hz) recorded in human epileptic hippocampus and entorhinal cortex. J. Neurophysiol. 2002; 88(4):1743-52.	
	630.	STEFANSKI, et al. Using chaos synchronization to estimate the largest lyapunov exponent of nonsmooth systems. Discrete Dynamics in Nature and Society. 2000; 4:207-215.	
	631.	SUBASI, et al. Classification of EEG signals using neural network and logistic regression. Computer Methods Programs Biomed. 2005; 78(2):87-99.	
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	637.	TSAKALIS, K. S. Prediction and control of epileptic seizures: Coupled oscillator models. Arizona State University. (Slide: 53 pages) (No date)	
	638.	VAN DRONGELEN, et al. Seizure anticipation in pediatric epilepsy: use of Kolmogorov entropy. Pediatr. Neurol. 2003; 29(3): 207-13.	
✓	639.	VAN PUTTEN, M. Nearest neighbor phase synchronization as a measure to detect seizure activity from scalp EEG recordings. J. Clin. Neurophysiol. 2003; 20(5):320-5.	

Examiner Signature	S. G.	Date Considered	8/15/06
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SB	640.	VENUGOPAL, et al. A new approach towards predictability of epileptic seizures: KLT dimension. Biomed Sci. Instrum. 2003; 39:123-8.		
	641.	VONCK, et al. Long-term amygdalohippocampal stimulation for refractory temporal lobe epilepsy. Ann. Neurol. 2002; 52(5):556-65.		
	642.	VONCK, et al. Long-term deep brain stimulation for refractory temporal lobe epilepsy. Epilepsia. 2005; 46(Suppl 5):98-9.		
	643.	VONCK, et al. Neurostimulation for refractory epilepsy. Acta. Neurol. Belg. 2003; 103(4):213-7.		
	644.	WEISS, P. Seizure prelude found by chaos calculation. Science News. 1998; 153(20):326.		
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	646.	WIDMAN, et al. Reduced signal complexity of intracellular recordings: a precursor for epileptiform activity? Brain Res. 1999; 836(1-2):156-63.		
	647.	WINTERHALDER, et al. Sensitivity and specificity of coherence and phase synchronization analysis. (In Press) Phys. Lett. A. 2006		
	648.	WINTERHALDER, et al. The seizure prediction characteristic: a general framework to assess and compare seizure prediction methods. Epilepsy Behav. 2003; 4(3):318-25.		
✓	649.	YANG, et al. A supervised feature subset selection technique for multivariate time series. Available at <a href="http://infolab.usc.edu/DocsDemos/fsdm05.pdf">http://infolab.usc.edu/DocsDemos/fsdm05.pdf</a> . Accessed March 2, 2006.		

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SG	650.	YANG, et al. CLe Ver: A feature subset selection technique for multivariate time series. T. B. Ho, D. Cheung, and H. Liu (Eds.): PAKDD. 2005; LNAI 3518: 516-522.		
	651.	YANG, et al. Relation between Responsiveness to Neurotransmitters and Complexity of Epileptiform Activity in Rat Hippocampal CA1 Neurons. Epilepsia. 2002; 43(11):1330-1336.		
	652.	YATSENKO, et al. Geometric Models, Fiber Bundles, and Biomedical Applications. Proceedings of Institute of Mathematics of NAS of Ukraine. 2004; 50 (Part 3):1518-1525.		
	653.	ZAVERI et al. Time-Frequency Analyses of Nonstationary Brain Signals. Electroencephalography and Clinical Neurophysiology. 1991; 79, pp. 28P-29P.		
	654.	ZHANG, et al. High-resolution EEG: cortical potential imaging of interictal spikes. Clin. Neurophysiol. 2003; 114(10):1963-73.		

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SG	655.	Daniel John Dilorenzo, U.S. Patent Application No. 10/858,899, entitled "Closed-loop feedback-driven neuromodulation," filed June 1, 2004 (WSGR Reference No. 31685-704.505)		
	656.	Daniel John Dilorenzo, et al., U.S. Patent Application No. 11/159,842, entitled "Closed-loop feedback-driven neuromodulation," filed June 22, 2005 (WSGR Reference No. 31685-704.508)		
	657.	Daniel J. Dilorenzo, U.S. Patent Application No. 11/234,873, entitled "Systems and methods for monitoring a patient's neurological disease state," filed September 23, 2005 (WSGR Reference No. 31685-704.509)		

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SG	658.	Daniel J. Dilorenzo, U.S. Patent Application No. 11/239,653, entitled "Systems and methods for monitoring a patient's neurological disease state," filed September 28, 2005 (WSGR Reference No. 31685-704.510)		
	659.	Daniel John Dilorenzo, U.S. Patent Application No. 11/282,317 entitled "Closed-loop vagus nerve stimulation," filed November 17, 2005 (WSGR Reference No. 31685-704.511)		
	660.	Kent W. Leyde, et al., U.S. Patent Application No. 11/321,897, entitled "Methods and systems for recommending an appropriate action to a patient for managing epilepsy and other neurological disorders," filed December 28, 2005 (WSGR Reference No. 31685-713.201)		
	661.	Daniel J. Dilorenzo, et al., U.S. Patent Application No. 11/321,898, entitled "Methods and systems for recommending an appropriate pharmacological treatment to a patient for managing epilepsy and other neurological disorders," filed December 28, 2005 (WSGR Reference No. 31685-713.202)		
	662.	Mike Bland, et al., U.S. Patent Application No. 11/322,150, entitled "Systems and methods for characterizing a patient's propensity for a neurological event and for communicating with a pharmacological agent dispenser," filed December 28, 2005 (WSGR Reference No. 31685-713.203)		

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